Additional file 4. List of primers sequences used in quantitative expression analysis of genes and pyrosequencing for DNA CpG methylation

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| **Primer Name** | **Sequence (5’ to 3’)** |
| SDF4\_F | AGGGAGTTTGAGGAACTGATTG |
| SDF4\_R | TCCAGGTAGTGGTTCTGGTTCT |
| SRXN1\_F | TGGAATGAGAAAGGAGATGGTT |
| SRXN1\_R | CCAGGTTTCCCTTTACTCACAG |
| CSF1\_F | ACCATGCGCTTCAGAGACAA |
| CSF1\_R | TGGAGGGGCGTCTCATAGAA |
| CXCL14\_F | GAGGGAAAACGTCACACCGA |
| CXCL14\_R | ACCCTCGGTAAAAGTGCTGG |
| ZMYM2\_F | TTCCAGATGTCCTGTGAAAATG |
| ZMYM2\_R | AGTGAAGCAGACGTGTACCAGA |
| DNMT1\_F | TCAGGGACCACATCTGTAAG |
| DNMT1\_R | GCTGCAGCCATTCTTCTTGT |
| DNMT3a\_F | GGCTCTTCTTTGAGTTCTACCG |
| DNMT3a\_R | GCGAGATGTCCCTCTTGTCA |
| DNMT3b\_F | TGAAGAGTCCATCGCTGTTG |
| DNMT3b\_R | CAATCACCAGGTCAAAGGG |
| BS\_SENP6\_F | GGTAGGAGGGTTATATAGAGGT |
| BS\_SENP6\_R-biotin | TTACTCRCCCTCAACCCCTCTT |
| BS\_SENP6\_seqF | TTTTTTTYGGAGAATG |
| BS\_SRXN1\_F | GTAGTGGTGGTAGGTGTTAAG |
| BS\_SRXN1\_R-biotin | AACCATCCCTACCAAACTTATC |
| BS\_SRXN1\_seqF | TGTTAAGGAGGTTGTTATT |
| BS\_JAK2\_F | GGAGAGTTTYGGAGGGTTTAGTT |
| BS\_JAK2\_R-biotin | CCCCCAAACTCACAAACAC |
| BS\_JAK2\_seqF | GGAYGTTYGGATTTTTGTTTT |
| BS\_AQP2\_F | TAGGGTAGAGATTYGAAAGAATTGAAGT |
| BS\_AQP2\_R-biotin | AATCCAATCRAAACCACAACTACCTAAC |
| BS\_AQP2\_seqF | TTTATTAGGATTTATGAGGATG |
| BS\_ZMYM2\_F | GGTTTTTATAAGGGGGATGTTG |
| BS\_ZMYM2\_R-biotin | ACCACCAAACCCTCTATCTATC |
| BS\_ZMYM2\_seqF | AGTATAGGTTTGGAGATTT |